

|                               |                        |                     |  |
|-------------------------------|------------------------|---------------------|--|
| <b>Notice of Allowability</b> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|                               | 09/728,793             | LANGE, THOMAS       |  |
|                               | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|                               | Doug Hutton            | 2179                |  |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's Response dated 20 January 2005.
2. ☒ The allowed claim(s) is/are 1,4,5,7-13,16,17,19-22,25 and 26.
3. ☒ The drawings filed on 30 November 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

***Applicant's Response***

In Applicant's Response dated 20 January 2005, Applicant amended Claims 1, 4, 13, 16 and 25, cancelled Claims 2, 3, 14 and 15, and argued against all rejections previously set forth in the Office Action dated 20 October 2004.

In light of Applicant's amendment and the following Examiner's Amendment, all rejections are withdrawn.

**EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Forrest Gunnison on 7 February 2005.

Amend the application as follows:

*In the Claims:*

- Claim 13, Line 1 → ***insert*** the phrase "embodied on a computer-readable medium" between the term "product" and the term "for".

***Allowable Subject Matter***

Claims 1, 4, 5, 7-13, 16, 17, 19-22, 25 and 26 are allowed.

The following is an examiner's statement of reasons for allowance:

*Claims 1, 13 and 25:*

The closest prior art references are Tittel and Martel.

Tittel discloses basic HTML and constructing HTML documents comprising "entities." HTML "entities" are used to add special symbols into a web document. For example, if a web page designer wanted to put the mathematical equation " $x^2$ " onto a web document, then he would type "&int;2x=x&sup2;" into the HTML document. When a browser parses this portion of the HTML code and displays the web page, the following occurs:

- the "&int;" portion would be converted into " $\int$ ", because it is included in a text instruction symbol;
- the "&sup2;" portion would be converted into "<sup>2</sup>", because it is included in a text instruction symbol; and
- the "2x" and "x" portions would not be converted, because these portions are not included in a text instruction symbol.

Thus, the entire equation would be displayed as " $\int x^2$ " when viewed using a browser.

Martel discloses a basic equation editor within a word processor. The equation editor allows a user to insert a formula into a document. To insert the formula, the user must enter the equation editor, which is a GUI that is **separate** from the word-processing document. Using the equation editor GUI, the user types in a textual

description to generate the equation. For example, the textual description "SQRT x" generates the equation  $\sqrt{x}$ . That is, the equation editor converts the text instruction symbol "SQRT" to the square root symbol and does not convert the text character "x" but instead simply enters it into the formula.

The prior art fails to disclose or suggest a word processor with an equation editor that allows the user to interactively enter text into a document that is to be converted into a formula, select said text and convert said text into said formula while remaining within the document. The prior art either requires the user to employ an equation editor in the word processor or does not allow the user to interactively select text for conversion into a formula by highlighting said text.

*Claims 4, 5, 7-12, 16, 17, 19-22 and 26:*

These claims are dependent upon Claims 1, 13 or 25 and are thus allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Doug Hutton whose telephone number is (571) 272-4137. The examiner can normally be reached on Monday-Friday from 8:00 AM to 5:00 PM.

Art Unit: 2179

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon, can be reached at (571) 272-4136. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

WDH

February 7, 2005

  
HEATHER R. HERNDON  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100